

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7557	(250/396r-396ml).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/14 12:02
S2	4189	@ad<"20031230" and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:07
S3	782	@ad<"20031230" and S1 and electron beam with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:08
S4	429	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:12
S5	258	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi \$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 12:15

S6	0	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode same extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 14:07
S7	14	@ad<"20031230" and S1 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 14:08
S8	153752	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/14 14:15

S9	42	@ad<"20031230" and S8 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/14 14:15
S10	153753	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/18 13:01
S11	58	@ad<"20031230" and S10 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/18 13:01
S12	153802	("250").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/19 17:52

S13	6	@ad<"20031230" and S12 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and (micro? point\$4 or micro point\$4 or micropoint\$4 or nano? tub\$4 or nano tub\$4 or nanotub\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/19 17:52
S14	18107	(250/396R-396ML,492.1-492.3,493.1-494.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/20 13:08
S15	27	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:08

S16	4	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and (micro? point\$4 or micro point\$4 or micropoint\$4 or nano? tub\$4 or nano tub\$4 or nanotub\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:08
S17	1	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and substrate same3 cathode same3 extract\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:14

S18	15	@ad<"20031230" and S14 and electron with (source or emitt\$4 or inject\$4) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and cathode and extract\$4 with (array or grid or mesh or screen or matri\$4) and substrate same3 cathode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/05/20 13:19
S19	2	("5548185").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/20 13:24
S20	2	((YOHAN) near2 (DESIERES)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/20 13:28
S21	56	((PIERRE) near2 (NICOLAS)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S22	4	((CHARLOTTE) near2 (GILLOT)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S23	32	((SERGE) near2 (GIDON)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S24	16	((JEAN-LUC) near2 (MARTIN)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:48
S25	3	((YOHAN) near2 (DESIERES)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/10/14 12:49
S26	105	S25 S24 S23 S22 S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/14 12:49
S27	3748	COMMI SSARI AT ADJ2 L'ENERGIE ADJ ATOMI QUE.AS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/14 12:51

S28	61	@AD< "20041229" AND S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/14 12:55
S29	12	US-5548185-\$.DID. OR US-5430347-\$.DID. OR US-1249855-\$.DID. OR US-1101602-\$.DID. OR US-6091202-\$.DID. OR US-1380126-\$.DID. OR US-8911157-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/10/14 12:55
S30	10	EP-1249855-\$.DID. OR US-5548185-\$.DID. OR EP-0780879-\$.DID. OR US-1380126-\$.DID. OR WO-02082497-\$.DID. OR US-5763997-\$.DID. OR DE-69615804-\$.DID. OR DE-69615804D-\$.DID. OR JP-3033484-\$.DID. OR JP- 9171794-\$.DID. OR US- 6091202-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/10/14 13:01
S31	10	EP-1249855-\$.DID. OR US-5548185-\$.DID. OR EP-0780879-\$.DID. OR US-1380126-\$.DID. OR WO-02082497-\$.DID. OR US-5763997-\$.DID. OR DE-69615804-\$.DID. OR DE-69615804D-\$.DID. OR JP-3033484-\$.DID. OR JP- 9171794-\$.DID. OR US- 6091202-\$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:47
S32	8	@AD< "20041229" AND S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 12:47
S33	18559	(250/396R-396ML,492.1- 492.3,493.1-494.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 12:50

S34	981	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:50
S35	547	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:54
S36	0	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold) with (ball or spher\$7 or dome)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:56

S37	1	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold) same (ball or spher\$7 or dome)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:56
S38	4	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold) same (ball or spher\$7 or dome or glob \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:57

S39	0	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold) with (ball or spher\$7 or dome or glob \$3 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:57
S40	4	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (Ag or gold) same (ball or spher\$7 or dome or glob \$3 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 12:57

S41	234	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (ball or spher\$7 or dome or glob\$3 or round\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:03
S42	158	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (ball or spher\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:03

S43	4	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (ball or spher\$7) with (metal\$4 or alloy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:04
S44	4	S43 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:04
S45	547	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or cathode or filament) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 13:18
S46	2	("5548185").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/11/05 14:01

S47	949	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:13
S48	259	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod \$4) with (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:17
S50	72	@ad<"20031230" and S33 and electron with (source or emitt\$4 or inject\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod \$4) with (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:19

		adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface)				
S51	72	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or orifice or open\$3 or inlet or entrance or diaphragm or passage\$4 or hole) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:29
S52	60	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:30

S53	1	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun or beam) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4) with membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:37
S54	34	@ad<"20031230" and S33 and electron with (source or emitt\$4 or gun) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 14:55

S55	32	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:12
S56	40	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or conduct\$4 or semiconduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:13
S57	40	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) and (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:13

		adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or \$4conduct\$4)				
S58	2	"US 20070080647"	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/11/05 15:15
S59	8	@ad<"20031230" and S33 and electron beam with (source or emitt\$4 or gun) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) same (electrod\$4) with (aperture or diaphragm) with (plural\$4 or array or matrix or matri\$3 or (at adj least) or (one adj "or" adj more) or many or multipl\$4 or multi\$4 or several\$4) with (substrate or plate or membrane or layer or surface) and electrode with (metal\$4 or \$4conduct\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/11/05 15:35
S60	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2009/11/05 17:10
S61	1	(US-20050035300-\$).did.	US-PGPUB	ADJ	ON	2009/11/05 17:12
S62	1	(US-20030218140-\$).did.	US-PGPUB	ADJ	ON	2009/11/05 17:12
S63	1	(US-20010052576-\$).did.	US-PGPUB	ADJ	ON	2009/11/05 17:12
S64	1	(US-6872950-\$).did.	USPAT	ADJ	ON	2009/11/05 17:13
S65	1	(US-6617595-\$).did.	USPAT	ADJ	ON	2009/11/05 17:13
S66	1	(US-6512235-\$).did.	USPAT	ADJ	ON	2009/11/05 17:13
S67	1	(US-6175122-\$).did.	USPAT	ADJ	ON	2009/11/05 17:14
S68	1	(US-5981962-\$).did.	USPAT	ADJ	ON	2009/11/05 17:14

S69	1	(US-5962859-\$).did.	USPAT	ADJ	ON	2009/11/05 17:14
S70	1	(US-5486697-\$).did.	USPAT	ADJ	ON	2009/11/05 17:15
S71	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2009/11/05 17:15
S72	11	S60 S61 S62 S63 S64 S65 S66 S67 S68 S69 S70 S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/11/05 17:15
S73	1	(US-5363021-\$).did.	USPAT	ADJ	ON	2009/11/05 17:17

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